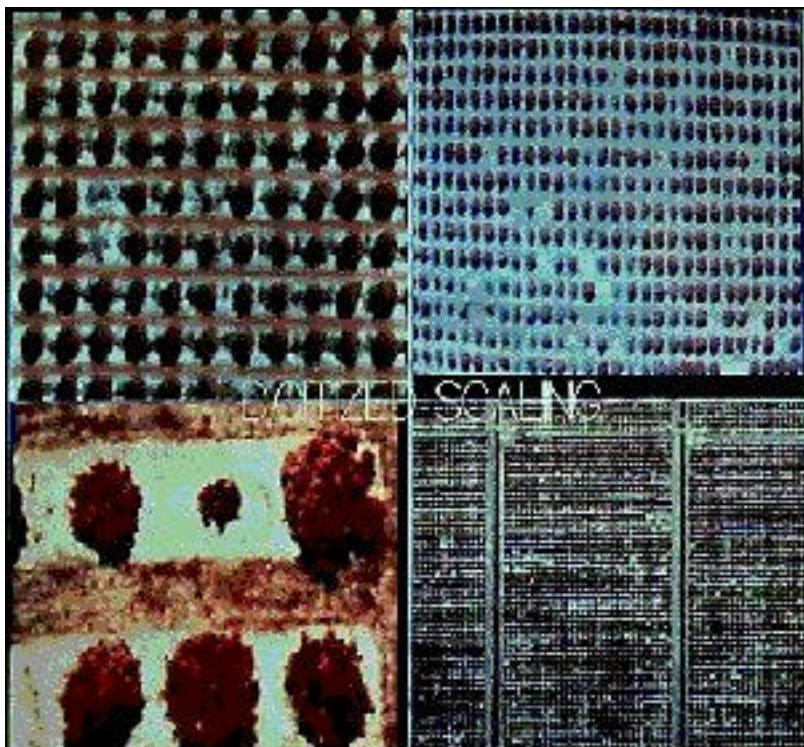


NASA Success Story

Image Processing



An innovative ImageCount software program for defining, counting, numbering and measuring objects in imaging files and captured video frames was developed by Electronic Imagery, Inc. (EI), of Pompano Beach, Florida. ImageCount stems from a similar technology called ImageScale Plus that was developed for NASA at Johnson Space Center, and used at Kennedy Space Center (KSC), by EI under a Small Business Innovation Research (SBIR) contract. ImageScale Plus is used in scientific applications such as x-ray and magnetic resonance imaging, and in ophthalmological applications. General commercial applications include document processing, textile design and special effects for motion pictures. The technology also facilitated database management and networking of high definition digital images in the medical, scientific and industrial fields using EI's Image Manager software. The technology developed under the SBIR also helped EI to adapt the core technology to processing aerial photography imagery and to package it into a software system that became ImageCount.

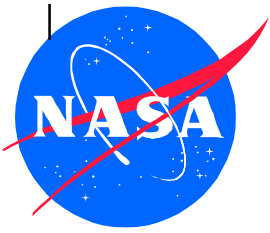
NASA Involvement ImageScale Plus software was developed for use on the Space Shuttle Orbiter in 1991. It enables astronauts to conduct image processing, prepare electronic still camera images in orbit, display them on small monitors in the Orbiter, and downlink images to ground-based scientists for evaluation.

Point of Contact

Kennedy Space Center

Phone: (407) 867-6238
Fax:

Prepared by Dynacs, Inc.
Success Story ID # 1082
September 2000
Page 1



NASA Success Story

Image Processing (Continued)

Social/Economic Benefit Using ImageCount software, computer operators can conduct an electronic count of the trees in a Florida orange grove. This application saves time inventorying citrus groves for tax purposes compared with alternative methods of inventorying. Other methods involve actual counting of individual trees by field crews, or hand counting of trees in aerial photos. ImageCount also permits computer analysis of trees for health, which aids in crop forecasting. This technology saves large orange grove owners time and money.

Industry Partner

Electronic Imagery, Inc.

NASA Partner

Kennedy Space Center

Point of Contact

Kennedy Space Center

Phone: (407) 867-6238
Fax:

Prepared by Dynacs, Inc.
Success Story ID # 1082
September 2000
Page 2